

**EAST Search History**

| <b>Ref #</b> | <b>Hits</b> | <b>Search Query</b>  | <b>DBs</b>   | <b>Default Operator</b> | <b>Plurals</b> | <b>Time Stamp</b>   |
|--------------|-------------|--|--|-------------------------|----------------|---------------------|
| S1           | 15          | "688136"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>16:20 |
| S2           | 35336       | herman.in.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>16:20 |
| S3           | 36          | S2 and chaves  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>16:20 |
| S4           | 0           | paschwitz and "1957"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>16:21 |
| S5           | 5           | paschwitz  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>16:22 |
| S6           | 2           | "433"/\$.ccls. and (prophy<br>\$1angle or prophylaxis<br>\$1angle) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>17:33 |
| S7           | 2           | "433"/\$.ccls. and (prophy<br>\$1angle or prophylaxis<br>\$1angle) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>17:33 |
| S8           | 93          | "433"/\$.ccls. and (prophy<br>angle)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | NEAR                    | ON             | 2007/10/23<br>17:35 |
| S9           | 0           | 2006/0121414   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>17:48 |
| S10          | 2           | "20060121414"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR                      | ON             | 2007/10/23<br>17:48 |

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| S11 | 2    | ("5941705").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR | OFF | 2007/10/24<br>09:00 |
| S12 | 2    | ("5941705").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR | OFF | 2007/10/24<br>14:26 |
| S13 | 1    | drive adj pinion and<br>"20060121414"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/24<br>14:41 |
| S14 | 1    | direction near3 rotation<br>and "20060121414"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/24<br>14:56 |
| S15 | 433  | contra\$1angle  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/24<br>15:04 |
| S16 | 0    | ("2006/0121414").URPN.  | USPAT  | OR | ON  | 2007/10/24<br>15:06 |
| S17 | 19   | ("3562913"   "3713221"  <br>"3772791"   "3924334"  <br>"3938253"   "3961422"  <br>"3962791"   "4182040"  <br>"4268251"   "4280808"  <br>"4340364"   "4609352"  <br>"4836780"   "4904185"  <br>"5035617"   "5154611"  <br>"5498158"   "5516287").<br>PN. | US-PGPUB;<br>USPAT; USOCR                                | OR | ON  | 2007/10/24<br>15:12 |
| S18 | 1096 | "433"/\$.ccls. and (rotation<br>near10 direction)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/29<br>11:52 |
| S19 | 561  | S18 and head  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/29<br>11:53 |
| S20 | 163  | S19 and (pinion gear)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/29<br>11:53 |

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| S21 | 18  | ("20010034006"  <br>"20030162146"  <br>"20060068361"  <br>"3073031"   "3829974"  <br>"4460341"   "4629426"  <br>"4773855"   "5169312"  <br>"5343883"   "5636988"  <br>"5827064"   "5855216"  <br>"5902105"   "5924864"  <br>"6447293"   "6760945").<br>PN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/10/30<br>11:55 |
| S22 | 0   | ("2006/0121414").URPN.  | USPAT                     | OR | ON | 2007/10/30<br>12:58 |
| S23 | 110 | ("0263814"   "0969378"  <br>"1343115"   "1601397"  <br>"1999488"   "2017881"  <br>"2025779"   "2033662"  <br>"2128157"   "2135933"  <br>"2203974"   "2226145"  <br>"2300828"   "2315016"  <br>"2328270"   "2463118"  <br>"2586968"   "2684035"  <br>"2789352"   "2836877"  <br>"2933046"   "2937444"  <br>"3043274"   "3054355"  <br>"3163934"   "3192922"  <br>"3229369"   "3309965"  <br>"3376825"   "3421224"  <br>"3477793"   "3510229"  <br>"3719440"   "3727313"  <br>"3740853"   "3855704"  <br>"3856432"   "3877574"  <br>"3942392"   "3955284"  <br>"3987550"   "4040311"  <br>"4053983"   "4171571"  <br>"4182041"   "4185386"  <br>"4248589"   "4259071"  <br>"4261536"   "4266933"  <br>"4365956"   "4392779"  <br>"4465443"   "4540337"  <br>"4693871"   "4767277"  <br>"4795343"   "4842516"  <br>"4846638"   "4863344"  <br>"4929180"   "4941828"  <br>"5020994"   "5028233"  <br>"5040978"   "5062796"  <br>"5094615"   "5120220"  <br>"5156547"   "5163825"  <br>"5423679"   "5425634"  <br>"5425638"   "5484284"  <br>"5503555"   "5667383" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/10/30<br>12:58 |

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|     |      | "Re24391").PN.  |  |    |     |                     |
| S24 | 8160 | "433"/\$.ccls. and (prophy<br>\$1angle or prophylaxis\$1<br>angle)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>12:59 |
| S25 | 6615 | S24 not (polish\$3 cup)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>13:00 |
| S26 | 2774 | S25 and head  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>13:00 |
| S27 | 714  | S26 and (shoulder guard)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>13:01 |
| S28 | 494  | S27 not implant   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>13:02 |
| S29 | 9    | ("0456477"   "1027525"  <br>"2135933"   "3074167"  <br>"3637050").PN.   | US-PGPUB;<br>USPAT; USOCR                                | OR | ON  | 2007/10/30<br>13:11 |
| S30 | 19   | ("3562913"   "3713221"  <br>"3772791"   "3924334"  <br>"3938253"   "3961422"  <br>"3962791"   "4182040"  <br>"4268251"   "4280808"  <br>"4340364"   "4609352"  <br>"4836780"   "4904185"  <br>"5035617"   "5154611"  <br>"5498158"   "5516287").<br>PN. | US-PGPUB;<br>USPAT; USOCR                                | OR | ON  | 2007/10/30<br>13:23 |
| S31 | 8    | ("3330040"   "3358826"  <br>"3781996"   "4382788"  <br>"4734035"   "4828113").<br>PN.   | US-PGPUB;<br>USPAT; USOCR                                | OR | ON  | 2007/10/30<br>13:23 |
| S32 | 18   | ((("5941705") or<br>("6065966") or<br>("1688136") or<br>("4449932") or<br>("2231969")).PN.  | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR | OFF | 2007/10/30<br>14:05 |
| S33 | 918  | 433/127,128,165.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2007/10/30<br>14:16 |

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| S34 | 2658 | (prophy\$5angle) or (right<br>near2 head near2 angle)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>14:39 |
| S35 | 1600 | S34 and (retainer retention<br>hold\$3 releas\$4 retract\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>14:43 |
| S36 | 1772 | S34 and (mating engage<br>engaging mate attach\$3<br>detach\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>14:44 |
| S37 | 1325 | S35 and S36   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>14:45 |
| S38 | 9    | ((("5941705") or<br>("6065966") or<br>("1688136"))).PN.   | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR  | OFF | 2007/10/30<br>15:56 |
| S39 | 5    | paschwitz   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>16:08 |
| S40 | 8    | de "1018190"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | AND | ON  | 2007/10/30<br>16:08 |
| S41 | 21   | ((("5941705") or<br>("1688136") or<br>("4449932") or<br>("6065966") or<br>("2231969") or<br>("3578745"))).PN.                                     | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR  | OFF | 2007/10/30<br>16:29 |
| S42 | 3    | S41 and ring  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR  | ON  | 2007/10/30<br>16:31 |
| S43 | 14   | ((("4477253") or<br>("4493646") or<br>("5133661") or<br>("5431565") or<br>("5975899") or<br>("6015292") or<br>("6155827") or<br>("7293989"))).PN. | US-PGPUB;<br>USPAT; USOCR;<br>JPO; DERWENT;<br>IBM_TDB   | OR  | OFF | 2007/11/07<br>14:15 |

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| S44 | 56126 | (prophy\$1laxis or (prophy<br>near2 angle))                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/11/07<br>14:20 |
| S45 | 3     | S44 and (ring spring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/11/07<br>14:21 |
| S46 | 56529 | (prophy\$1laxis or (prophy<br>near2 angle) or contra<br>\$2angle) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/11/07<br>14:24 |
| S47 | 8     | S46 and (ring spring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/11/07<br>14:24 |
| S48 | 439   | 433/126.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>14:29 |
| S49 | 99    | 433/124.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>14:59 |
| S50 | 270   | 433/133.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>15:00 |
| S51 | 383   | 433/165.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>15:04 |
| S52 | 302   | 433/209.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>15:19 |
| S53 | 2     | "20060121414"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>16:33 |
| S54 | 1     | S53 and shaft   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON  | 2007/11/07<br>16:33 |
| S55 | 13    | "1688136"   | US-PGPUB;<br>USPAT; USOCR                                | OR   | OFF | 2008/04/24<br>09:23 |

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| S56 | 2      | ("0688136").PN.                            | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/04/24<br>09:23 |
| S57 | 13     | (hubert near euvrard).in.                  | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/04/24<br>09:31 |
| S58 | 39     | (hubert near euvrard).in.                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:31 |
| S59 | 0      | (jean\$1phillippe near<br>mallet).in.      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:38 |
| S60 | 154263 | (jean\$1 mallet).in.                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:39 |
| S61 | 0      | (jean\$1 near philippe near<br>mallet).in. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:39 |
| S62 | 4      | (jean\$1 near philippe near<br>mallet).in. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:40 |
| S63 | 4      | (etienne near deveaux).in.                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>09:41 |
| S64 | 737    | (retractable retainer)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | OFF | 2008/04/24<br>09:43 |
| S65 | 4      | S64 and (horse\$1shoe)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | OFF | 2008/04/24<br>09:43 |

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|-----|-----|---|--|------|-----|---------------------|
| S66 | 21  | S64 and (ring same retention)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | OFF | 2008/04/24<br>09:44 |
| S67 | 1   | ("6155827").URPN.   | USPAT  | OR   | OFF | 2008/04/24<br>09:59 |
| S68 | 1   | ("6155827").PN.   | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/04/24<br>10:05 |
| S69 | 1   | ("6155827").URPN.   | USPAT  | OR   | OFF | 2008/04/24<br>10:05 |
| S70 | 31  | ("1688136"   "1875559"  <br>"2005849"   "2344605"  <br>"2568315"   "2813337"  <br>"3163934"   "3368279"  <br>"3472045"   "3751176"  <br>"4014099"   "4021920"  <br>"4285671"   "4449932"  <br>"4451237"   "4478578"  <br>"4486175"   "4564354"  <br>"5007832"   "5040978"  <br>"5120220"   "5730595").<br>PN. | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/04/24<br>10:05 |
| S71 | 1   | ("5902105").PN.   | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/04/24<br>10:25 |
| S72 | 2   | JP-09248311-a\$   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/04/24<br>10:39 |
| S73 | 8   | "433"/\$.ccls. and<br>(restoring adj spring)  | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/05/02<br>10:00 |
| S74 | 210 | (restoring adj spring) with<br>(handle)   | US-PGPUB;<br>USPAT; USOCR  | OR   | OFF | 2008/05/02<br>10:06 |
| S75 | 0   | (restoring adj spring) with<br>(handle)same (contra<br>\$1angle prophy)   | EPO; JPO;<br>DERWENT   | OR   | OFF | 2008/05/02<br>10:13 |
| S76 | 0   | (restoring adj spring) with<br>(handle)same (contra<br>\$1angle prophy)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/05/02<br>10:13 |
| S77 | 63  | (restoring adj spring) with<br>(handle)   | EPO; JPO;<br>DERWENT   | OR   | OFF | 2008/05/02<br>10:13 |



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|-----|-------|---|--|----|-----|---------------------|
| S78 | 99    | "433"/\$.ccls. and (spring with axial with movement)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:42 |
| S79 | 20    | "433"/\$.ccls. and (spring with prophy\$8)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:48 |
| S80 | 440   | 433/126.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:52 |
| S81 | 179   | S80 and spring  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:52 |
| S82 | 1724  | (spring with axial with movement with (switch button push\$1button))                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:58 |
| S83 | 1697  | (spring with axial with movement with (switch button ))                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:58 |
| S84 | 502   | (spring with axial with movement with ( button ))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>15:58 |
| S85 | 22357 | (spring with (movable movement) with (relative along axis) with (body handle hand\$1piece)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>16:04 |
| S86 | 1064  | S85 and ("433"\$1 "604"\$1 "600"\$1)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>16:05 |
| S87 | 341   | S85 and "433"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>16:06 |
| S88 | 47755 | nakanishi.in.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON  | 2008/05/08<br>16:49 |
| S89 | 17    | "4449932"   | US-PGPUB;<br>USPAT; USOCR                                | OR | OFF | 2008/05/08<br>17:16 |

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|-----|---|-----------------|---------------------------|----|-----|---------------------|
| S90 | 1 | ("4449932").PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>17:16 |
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**5/20/2008 4:23:46 PM**

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